



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Timothy A. Stewart et al.

Serial No.: 10/715,795

Filed: November 17, 2003

For: Fibroblast Growth Factor-19 (FGF-

19) Nucleic Acids and

Polypeptides and Methods of use

for the Treatment of Obesity

Group Art Unit: 1646

Examiner: Unknown

Confirmation No: 5748

CUSTOMER NO: 09157

**CERTIFICATE OF MAILING** 

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

March 31, 2004

Aida Euiam

#### **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants submit herewith patents, publications or other information (attached hereto and listed on the attached revised Form PTO-1449) of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement is filed in accordance with the provisions of:

## (x) 37 CFR §1.97(b)

- within three months of the filing date of the application other than a continued prosecution application under 37 CFR §1.53(d); or
- within three months of the date of entry of the national stage of a PCT application as set forth in 37 CFR§1.491, or
- before the mailing of the first Office action on the merits; or
- before the mailing of the first Office action after the filing of a request for a continued examination under 37 CFR §1.114.

## 0 37 CFR §1.97(c)

 by the applicant after the period specified in 37 CFR §1.97(b), but prior to the mailing date of any of a final action under 37 CFR §1.113, or a notice of Filing Date: November 17, 2003

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allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application, and is accompanied by either the fee set forth in 37 CFR §1.17(p) or a statement as specified in 37 CFR §1.97(e), as checked below.

## () 37 CFR §1.97(d)

 after the period specified in CFR §1.97(c), and is accompanied by the fee set forth in 37 CFR §1.17(p) and a statement as specified in 37 CFR §1.97(e), as checked below.

(If either of boxes 37 CFR §1.97(c) or 37 CFR §1.97(d) is checked above, the following statement under 37 CFR §1.97(e) may need to be completed.)

- 0 37 CFR §1.97(e) Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- O 37 CFR §1.704(d) Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and the communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of this information disclosure statement. Therefore, in accordance with the provisions of 37 CFR §1.704(d), the filing of this information disclosure statement will not be considered a failure to engage in reasonable efforts to conclude prosecution under 37 CFR §1.704.
- (1) The U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 07-0630 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement under 37 CFR §1.17(p). Any deficiency or overpayment should be charged or credited to this deposit account.

A list of the patent(s) or publication(s) is set forth on the attached revised Form PTO-1449 (Modified).

A copy of the items on PTO-1449 is supplied herewith.

Those patent(s) or publication(s) which are marked with an asterisk (\*) in the attached PTO-1449 form are not supplied because they were previously cited by or submitted to the Office in a prior application. Serial No. 09/522,342, filed March 9, 2000 and relied upon in this application for an earlier filing date under 35 USC §120.

#### () BLAST results enclosed:

The undersigned also wishes to bring to the attention of the Examiner BLAST results of

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computerized alignments of the against sequences contained in the nucleotide and protein databases. The BLAST results are provided in paper form and are identified as reference "BLAST Results A-1- A-0" (nucleotide) and "BLAST Results B-1 - B-0" (protein) on the PTO Form 1449. Applicant requests that these references also be considered and that the

Form 1449 be initialed to indicate the Examiner's consideration of the references.

A concise explanation of relevance of the items listed on PTO-1449 is:

(x) not given

0 given for each listed item

() given for only non-English language listed item(s) (Required)

() in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

In accordance with 37 CFR §1.97(g), the filing of this information disclosure statement shall not be construed as a representation that a search has been made.

In accordance with 37 CFR §1.97(h), the filing of this information disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b).

The Commissioner is hereby authorized to charge any additional fees required under 37 CFR 1.16 and 1.17 for this Information Disclosure Statement, or credit overpayment to Deposit Account No. 07-0630. A duplicate copy of this sheet is enclosed.

Respectfully submitted, GENENTECH, INC.

Date: March 31, 2004

Atulya R. Agarwal, Ph.D.

Reg. No. 40,887

Telephone No. (650) 225-4463

1 DNA Way

South San Francisco, Ca 94080-4990

Fax No.: (650) 952-9881

Sheet 1 of 4 Serial No. Atty Docket No. FORM PTO-1449 U.S. Dept. of Commerce 10/715,795 P1219P1C1 Patent and Trademark Office Applicant LIST OF DISCLOSURES CITED BY APPLICANT Goddard, A. et al. Filing Date Group (Use several sheets if necessary) 1646 17 Nov 2003 U.S. PATENT DOCUMENTS Examiner Initials Document Number Date Name Class Subclass Filing Date 4,378,347 29.03.83 \* 1 Franco, W. **FOREIGN PATENT DOCUMENTS** Translation Examiner nitials Document Number Date Country Class **Subclass** Yes No HEI 12-511867 JAPAN \* 3 WO 93/18186 16.09.93 PCT OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) Abbass et al., "Altered expression of fibroblast growth factor receptors in human pituitary adenomas" Journal of Clinical Endocrinology & Metabolism 82(4):1160-1166 (Apr 1997) Alitalo and Schwab, "Oncogene amplification in tumor cells" <u>Advances in Cancer Research</u> 47:235-281 (1986) \* 5 Altschul and Gish, "Local Alignment Statistics" Methods in Enzymology 266:460-480 (1996) \* 6 Arman et al., "Targeted disruption of fibroblast growth factor (FGF) receptor 2 suggests a role for FGF signaling in pregastrulation mammalian development" Proc. Natl. Acad. Sci. USA 95(9):5082-5087 (Apr 28, \* 7 1998) Armstrong et al., "Expression of fibroblast growth factor receptors in human leukemia cells" Cancer Research 52(7):2004-2007 (Apr 1, 1992) Aviezer et al., "Perlecan, basal lamina proteoglycan, promotes basic fibroblast growth factor-receptor binding, mitogenesis, and angiogenesis" Cell 79(6):1005-1013 (Dec 16, 1994) Baird and Bohlen, "Fibroblast Growth Factors" <u>Handbook of Exp. Pharmacol</u>, Chapter 7, 95(1):369-418 \*10 Baselga et al., "HER2 Overexpression and Paclitaxel Sensitivity in Breast Cancer: Therapeutic Implications" Oncology (Supplement No. 2) 11(3):43-48 (March 1997) Baselga et al., "Phase II Study of Weekly Intravenous Recombinant Humanized Anti-p185HER2 Monoclonal Antibody in Patients With HER2/neu-Overexpressing Metastatic Breast Cancer" J. Clin. Oncol. \*12 14(3):737-744 (Mar 1996) Bashkin et al., "Basic fibroblast growth factor binds to subendothelial extracellular matrix and is released by heparitinase and heparin-like molecules" Biochemistry 28(4):1737-1743 (Feb 21, 1989) \*13 Bishop, J., "Molecular themes in oncogenesis" Cell 64(2):235-248 (Jan 25, 1991) \*14 Bowie et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions" Science 247:1306-1310 (1990) \*15 Ciruna et al., "Chimeric analysis of fibroblast growth factor receptor-1 (Fgfr1) function: a role for FGFR1 in morphogenetic movement through the primitive streak" Development 124(14):2829-2841 (Jul 1997) \*16 Colvin et al., "Skeletal overgrowth and deafness in mice lacking fibroblast growth factor receptor 3"

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<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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